



SPYWOLF

Security Audit Report



Completed on
November 5, 2023

@SPYWOLFNETWORK



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SPYWOLF.CO





OVERVIEW

This audit has been prepared for **MemeETF** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

”

- SPYWOLF Team -





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MemeETF



PROJECT DESCRIPTION

According to their website/whitepaper:

"\$MemeETF, the world's first memecoin ETF, to spank the blockchain & pays dividends. Come vibe with the asset managers.

The world's first meme coin, backed by meme coins and memes

Join our journey of revolutionising crypto ETF by memes! Stake

\$MemeETF and enjoy passive income through our staking pool."

Release Date: Presale starts in November, 2023

Category: Meme coin



CONTRACT INFO

Token Name
MemeETF

Symbol
MemeETF

Contract Address
0xB681585F6600E38eeB3D0A60855C2B1dB6abAF10

Network
Ethereum

Language
Solidity

Deployment Date
Nov 07, 2023

Contract Type
Token with taxes

Total Supply
13,000,000,000,000

Status
Not launched

TAXES

Buy Tax
5%

Sell Tax
5%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

| | |
|-------------------------|------------------------------|
| Transfer Count | 1 |
| Uniq Senders | 1 |
| Uniq Receivers | 1 |
| Total Amount | 13,000,000,000,000 MemeETF |
| Median Transfer Amount | 13,000,000,000,000 MemeETF |
| Average Transfer Amount | 13,000,000,000,000 MemeETF |
| First transfer date | Nov-07-2023 11:50:11 AM +UTC |
| Last transfer date | Nov-07-2023 11:50:11 AM +UTC |
| Days token transferred | 1 |

SMART CONTRACT STATS

| | |
|-----------------------|--|
| Calls Count | 1 |
| External calls | 1 |
| Internal calls | 0 |
| Transactions count | 1 |
| Uniq Callers | 1 |
| Days contract called | 1 |
| Last transaction time | Nov-07-2023 11:50:11 AM +UTC |
| Created | Nov-07-2023 11:50:11 AM +UTC |
| Create TX | 0x4948f5002e1434b11f99f89db3229ee4f27f2e8376d692a33f8733f9d21df9da |
| Creator | 0xc609Bff0FeCE6AC75eac7F090f4b53B21DD7af6E |



VULNERABILITY CHECK

| | |
|--|--------|
| Design Logic | Passed |
| Compiler warnings. | Passed |
| Private user data leaks | Passed |
| Timestamp dependence | Passed |
| Integer overflow and underflow | Passed |
| Race conditions and reentrancy. Cross-function race conditions | Passed |
| Possible delays in data delivery | Passed |
| Oracle calls | Passed |
| Front running | Passed |
| DoS with Revert | Passed |
| DoS with block gas limit | Passed |
| Methods execution permissions | Passed |
| Economy model | Passed |
| Impact of the exchange rate on the logic | Passed |
| Malicious Event log | Passed |
| Scoping and declarations | Passed |
| Uninitialized storage pointers | Passed |
| Arithmetic accuracy | Passed |
| Cross-function race conditions | Passed |
| Safe Zeppelin module | Passed |
| Fallback function security | Passed |



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.



Informational

Owner can set buy/sell fees up to 8%

Combined buy+sell = 16%

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make. Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
uint256 constant FEE_DENOMINATOR = 1e4;
uint256 constant TAX_LIMIT = 400;

function setTax(uint256 marketingTax_, uint256 eTFTax_) external onlyOwner {
    uint limit = TAX_LIMIT;
    require(
        marketingTax_ <= limit && eTFTax_ <= limit,
        "TAX_LIMIT exceeded"
    );
    eTFTax = eTFTax_;
    marketingTax = marketingTax_;
    emit TaxSet(marketingTax_, eTFTax_);
}
```



Informational

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function setExcludeFromTax(  
    address[] memory accounts,  
    bool exclude  
) external onlyOwner {  
    uint256 len = accounts.length;  
    address account;  
    for (uint256 i; i < len; ) {  
        account = accounts[i];  
        _isExcluded[account] = exclude;  
        emit Excluded(account, exclude);  
        unchecked {  
            ++i;  
        }  
    }  
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

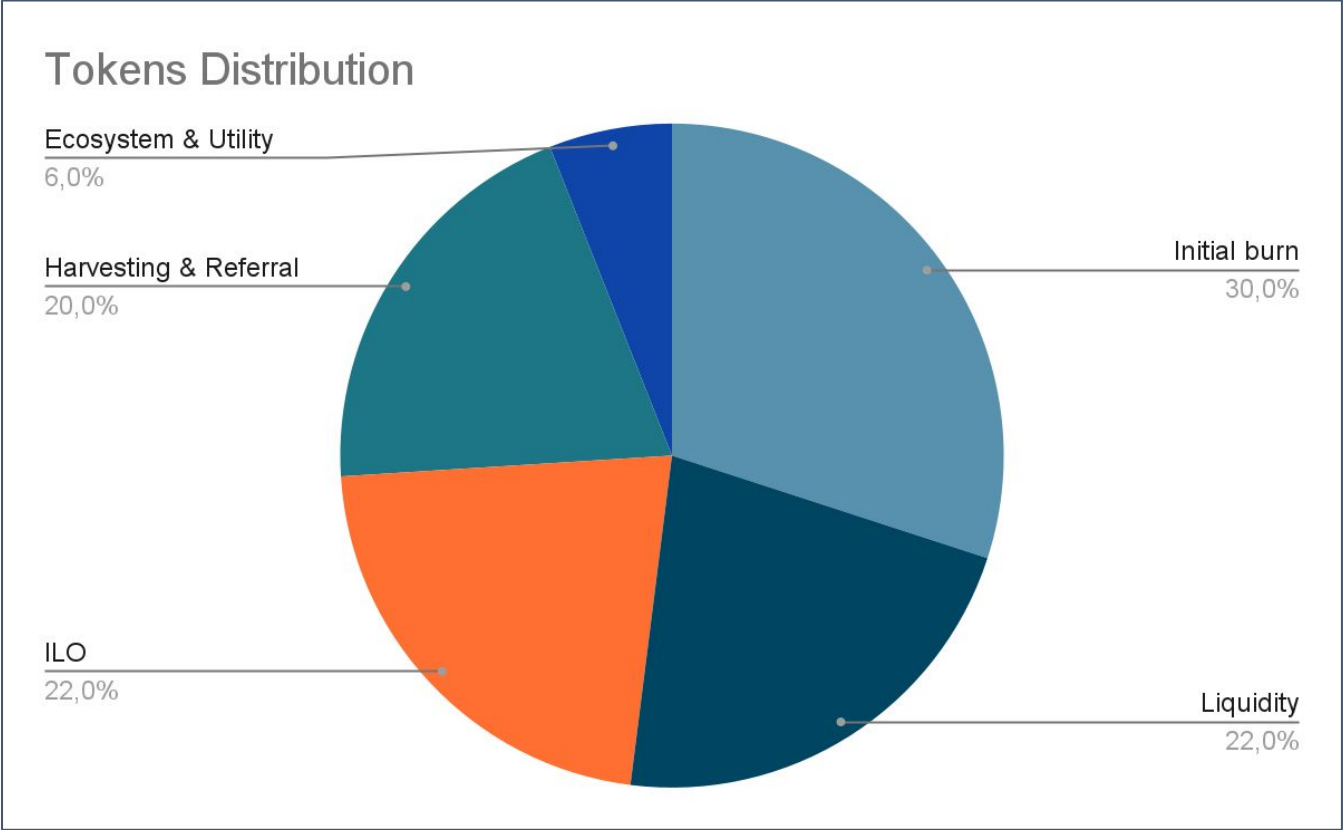
MemeETF

GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop the contract
- ✓ The owner cannot set a transaction limit



The following tokenomics are based on the project's whitepaper and/or website:



TOKENOMICS



THE TEAM

⚠ The team is
anonymous

KYC INFORMATION

No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL
<http://memecoin.rocks/>

Domain Registry
Under Construction

Domain Expiration
Under Construction

Technical SEO Test
Under Construction

Security Test
Under Construction

Design
Under Construction

Content
Under Construction

Whitepaper
Well written but a bit short
<https://memecoin-etf.gitbook.io/memecoinetf/>

Roadmap
Yes

Mobile-friendly?
Under Construction



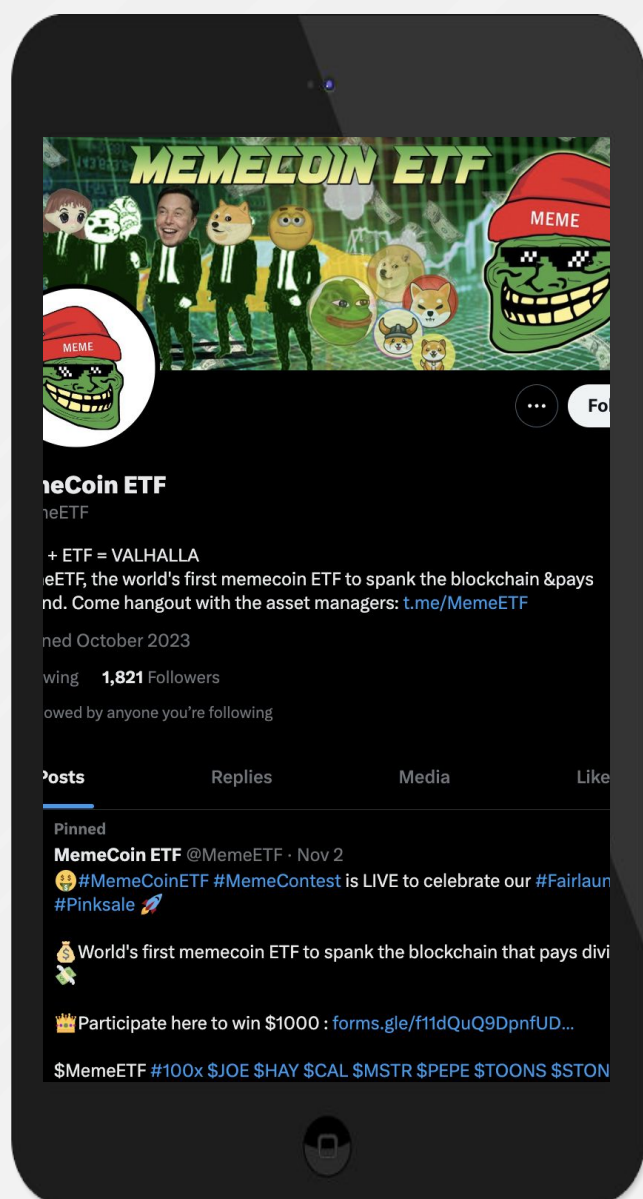
Website Under Construction



SOCIAL MEDIA & ONLINE PRESENCE



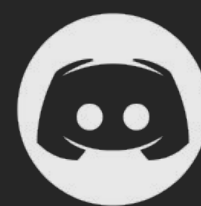
ANALYSIS
Project social media pages are new but active.



Twitter

@MemeETF

- 1,665 Followers
- New account
- Few posts



Discord

- Not available



Telegram

@MemeETF

- 1763 members
- Active mods and devs
- Daily announcements



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.